

Title (en)  
WRINKLE FREE GARMENT AND METHOD OF MANUFACTURE

Title (de)  
KNITTERFREIE BEKLEIDUNG UND VERFAHREN ZU DEREN HESTELLUNG

Title (fr)  
VETEMENT SANS PLIS ET PROCEDE DE FABRICATION

Publication  
**EP 1345504 A4 20040707 (EN)**

Application  
**EP 02752962 A 20020722**

Priority  
• CN 0200511 W 20020722  
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• US 7344502 A 20020211

Abstract (en)  
[origin: WO03032763A1] A method of manufacturing wrinkle-free garment seams and garments made therefrom comprises (a) placing a bonding element comprising a thermal adhesive between garment components; (b) stitching along a seam line; and (c) applying heat and/or pressure to cause the adhesive to melt and flow along the seam to bond at least one garment component. The thermal adhesive has a melting point of higher than about 150°C., preferably in the range about 160°C. to about 190°C. Alternatively, a bonding element comprising any adhesive material and having a substantially U shape is used to make various seams, such as a yoke seam, a shoulder seam, a side seam, a pocket seam, a hem button stay seam, a sleeve seam, a collar seam, etc. Wrinkle free garments, such as shirts, pants, blouses, skirts, etc. incorporating the seams are produced.

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**A41D 27/24**; **D05B 1/18**

IPC 8 full level  
**A41D 27/24** (2006.01); **A41B 1/08** (2006.01); **A41H 43/00** (2006.01); **A41H 43/04** (2006.01); **D05B 1/18** (2006.01)

IPC 8 main group level  
**A41D** (2006.01)

CPC (source: EP US)  
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• [X] US 2264224 A 19411125 - SWAN THOMAS H  
• [X] DE 1104802 B 19610413 - NIEHUES & DUETTING  
• [X] US 2372632 A 19450327 - WEBB IRVING F  
• [A] EP 0791674 A1 19970827 - ASAHI CHEMICAL IND [JP]  
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